

FIG. 1

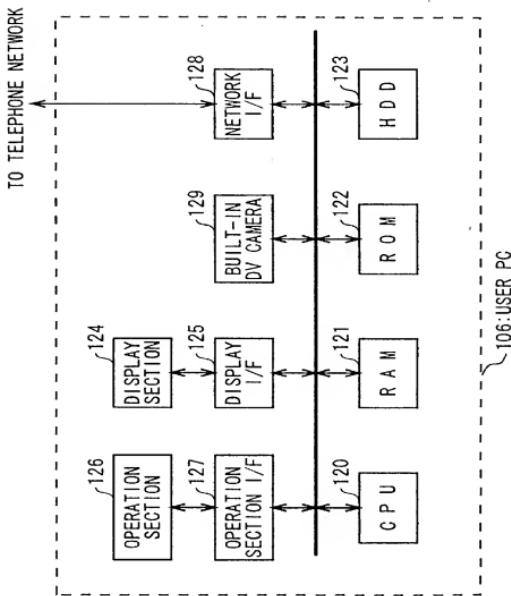


FIG. 2

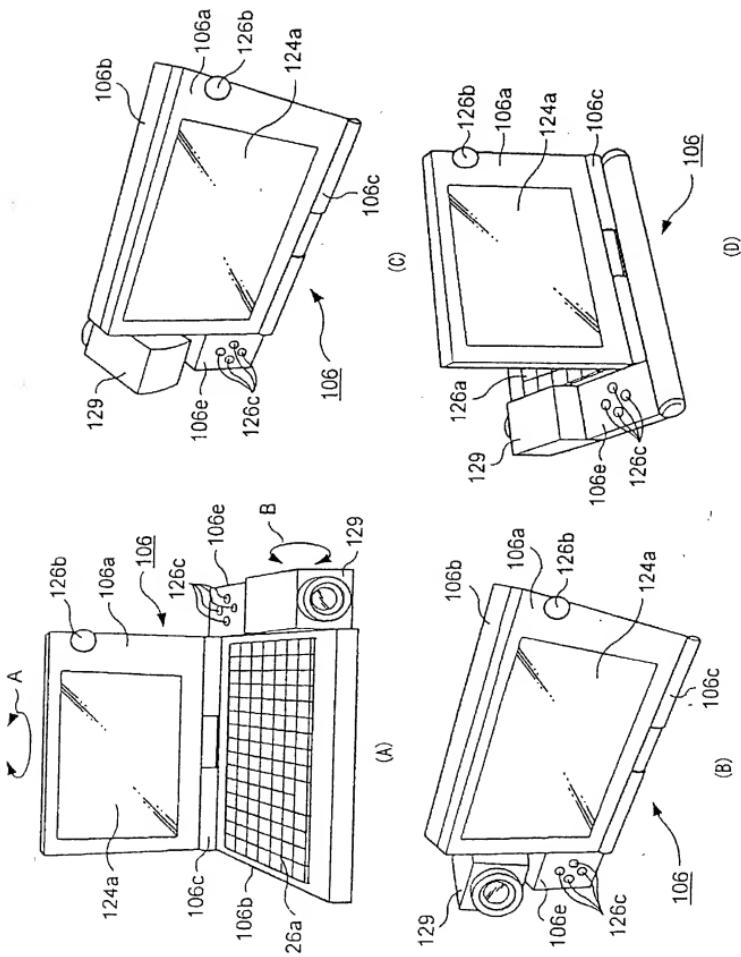


FIG. 3

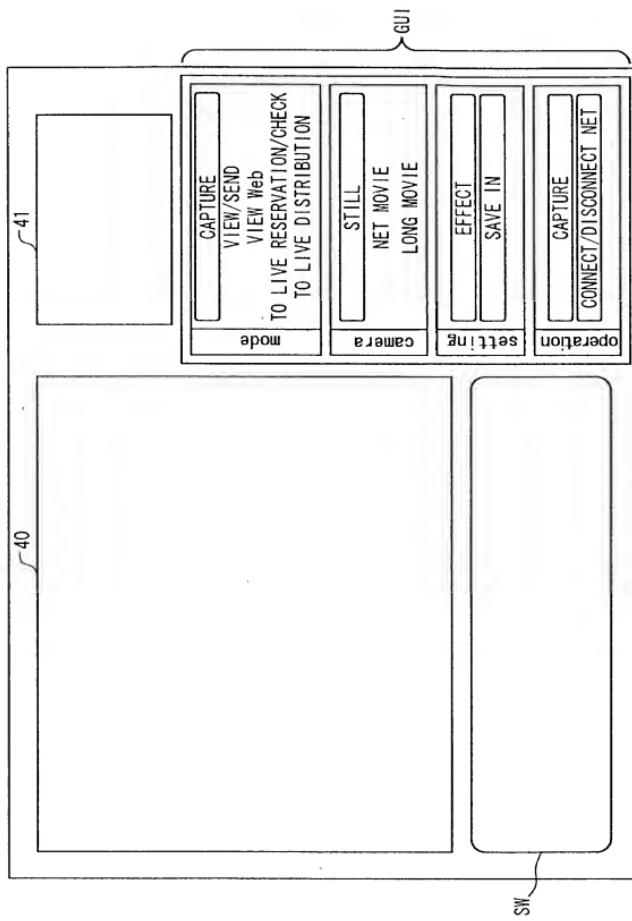
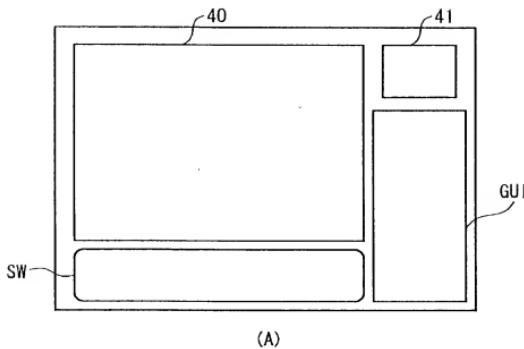
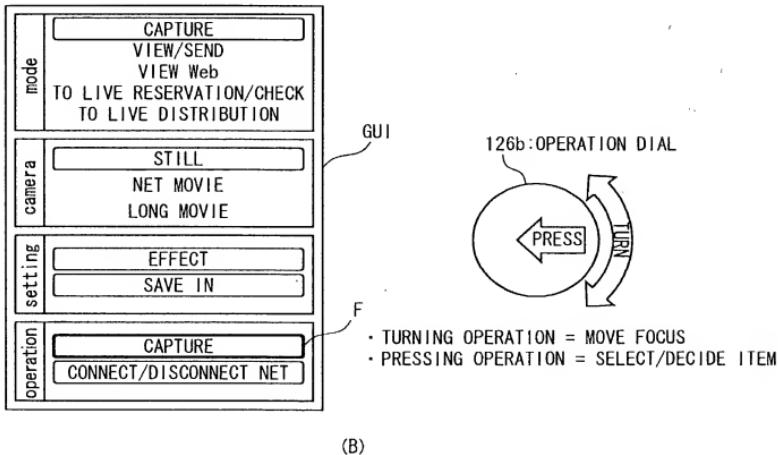


FIG. 4

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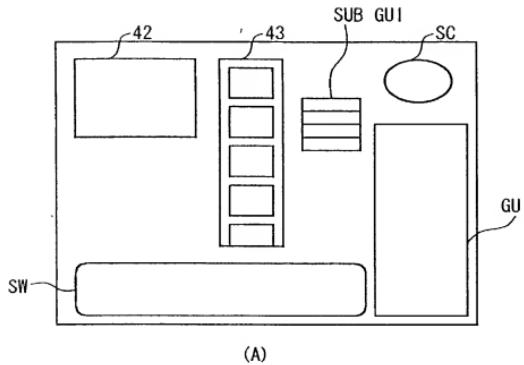
(A)



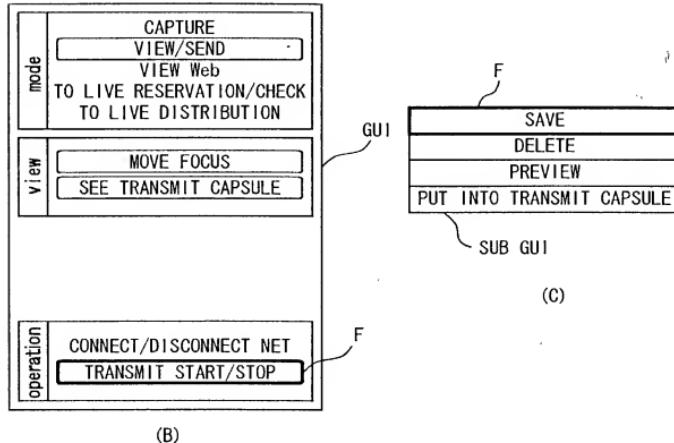
(B)

FIG. 5

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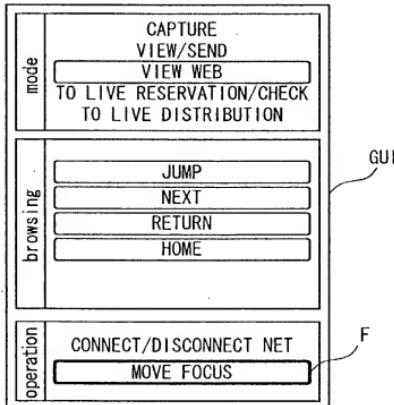
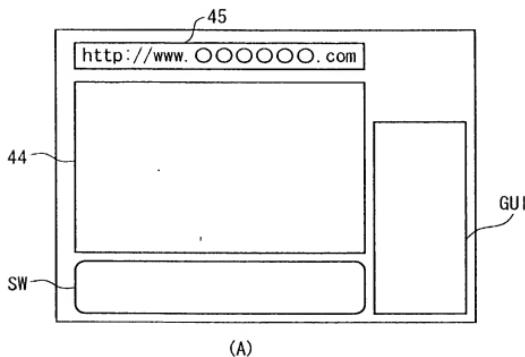
(A)



(B)

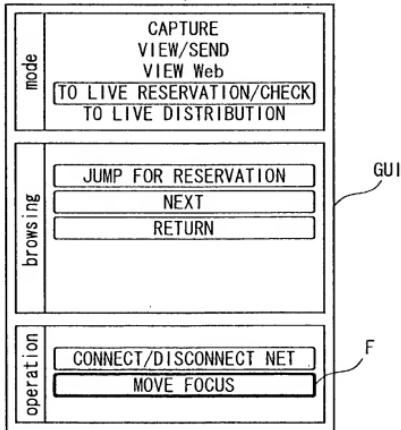
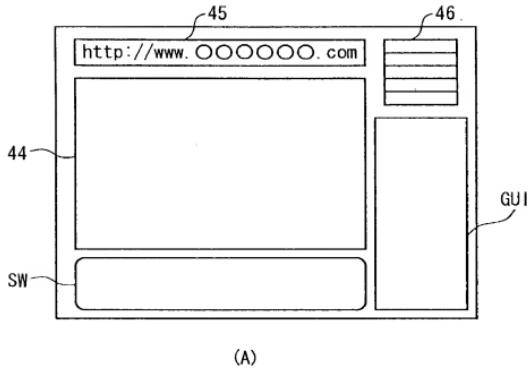
(C)

FIG. 6



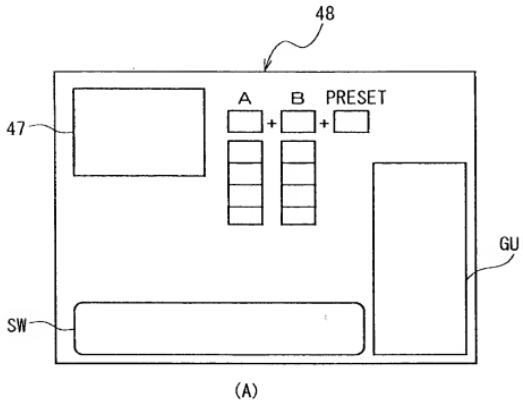
(B)

FIG. 7

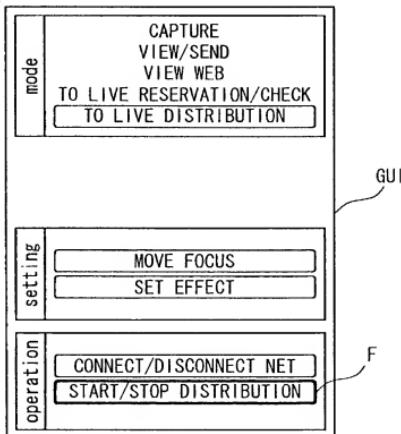


(B)

FIG. 8



(A)



(B)

FIG. 9

10/089085

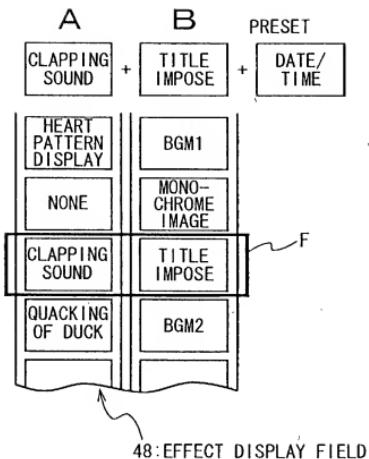


FIG. 10

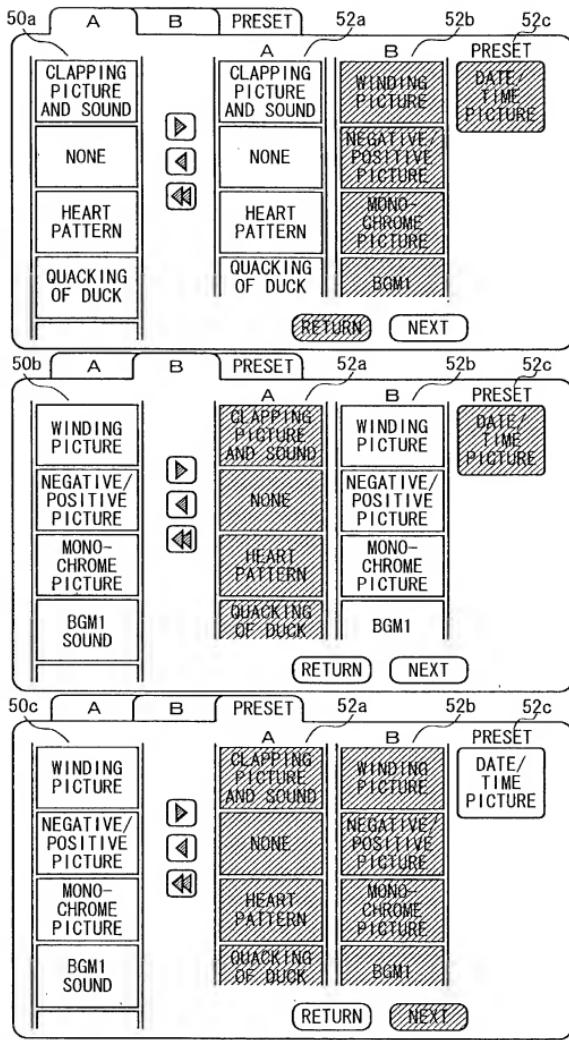


FIG. 11

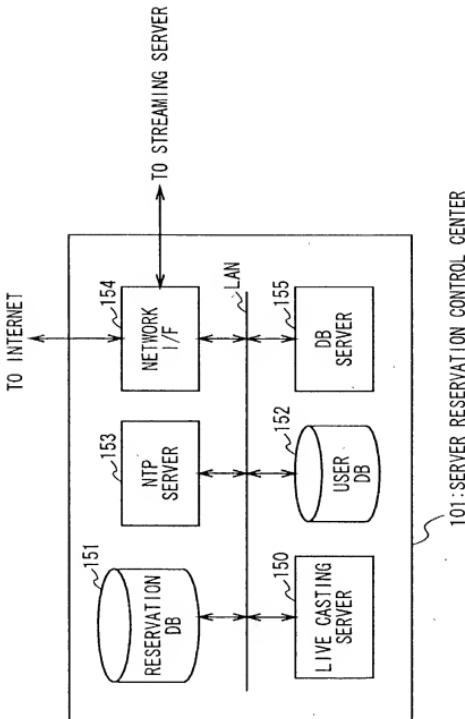


FIG. 12

WELCOME TO PERSONAL CASTING WORLD

LOG IN
USER ID:
PASSWORD:

- MEMBER REGISTRATION
- WHAT IS PERSONAL CASTING TV?
- TODAY'S LIVE
- PROGRAM GUIDE
- MY CHANNEL
- LIVE DISTRIBUTION RESERVATION
- PROGRAM PICKUP
- IMAGE STATION

FIG. 13

REGISTER YOURSELF AS A MEMBER
USING THE PERSONAL CASTING SERVICE REQUIRES YOU
TO BE REGISTERED AS A USER...

CLICK HERE TO REGISTER YOURSELF AS
A MEMBER >>> LINK TO REGISTRATION PAGE >>>

LIVE DISTRIBUTION ALLOWS YOU TO DO THINGS LIKE
EXAMPLE OF USE

TO CARRY OUT LIVE DISTRIBUTION
CARRYING OUT LIVE DISTRIBUTION REQUIRES A CREDIT CARD.

TO VIEW LIVE
VIEWING LIVE REQUIRES REPLAY SOFTWARE.
IF YOU HAVE NONE, PRESS THE FOLLOWING
REPLAY SOFTWARE BUTTON AND DOWNLOAD IT.

REPLAY
SOFTWARE

LIVE DISTRIBUTION PROVIDERS MAY PUT RESTRICTIONS
ON PEOPLE WHO CAN VIEW LIVES BY OBLIGING THEM
TO ENTER PASSWORDS. THESE ARE LIVES THAT THOSE
PROVIDERS DISTRIBUTE ONLY FOR SPECIFIC PEOPLE AND
OTHER PEOPLE CANNOT VIEW.

PROCEDURE UP TO LIVE DISTRIBUTION
PREMIUM MEMBER REGISTRATION
LIVE PLANNING AND PREPARATION
DISTRIBUTION RESERVATION
RESERVATION CHECK
CONNECTION
DISTRIBUTION START

FIG. 14

-CURRENT TIME 15:05 (FOR SERVICE SUPPLY)

-SPECIAL PROGRAM

-GENRE

-TIME LIVE TITLE PROVIDER OUTLINE MODE

-ON-DEMAND MOVIE TITLE PROVIDER OUTLINE

OPEN OR CLOSE

-PRIVATE PROGRAM

-GENRE

-TIME LIVE TITLE PROVIDER OUTLINE CAPACITY CLOSE

FIG. 15

CURRENT TIME 15:08 (FOR SERVICE SUPPLY)

GENRE: ROCK MUSIC
LIVE TITLE: 0000
PROVIDER (MAIL ADDRESS): AAA@XX. COM
HOMEPAGE: HTTP://WWW. A0AXXX. COM
CAPACITY: 50 PEOPLE
CLOSE OR OPEN

OUTLINE

.....

DETAILS

.....

ENTER PASSWORD:

REPLAY ↵ 175

NOTE: REPLAYING THE MUSIC REQUIRES REPLAY SOFTWARE.

REPLAY SOFTWARE ↵ 176
CLICK TO DOWNLOAD

FIG. 16

PROGRAM IN THIS WEEK

JULY		▼	2000	▲		
S	M	T	W	T	F	S
						1
2	3	4	5	6	7	8
9	10	11	12	13	14	15
16	17	18	19	20	21	22
23	24	25	26	27	28	29
30	31					

SPECIAL PROGRAM

JULY 5, 2000

TIME GENRE LIVE TITLE PROVIDER OUTLINE OPENTIME GENRE MOVIE TITLE PROVIDER OUTLINE OPEN

LIVE CHANNEL

JULY 5, 2000

GENRE TIME LIVE TITLE PROVIDER OUTLINE CAPACITY PRIVATE

FIG. 17

THE CONTENTS OF RESERVATION	USER ID	BILLING FLAG INFORMATION	RESERVATION ID
DATE/TIME ·2ch ·64kbps ...	0000	ENABLED	xxxx
DATE/TIME ·4ch ·28.8kbps ...	x△OO	DISABLED	△△△△

FIG. 18

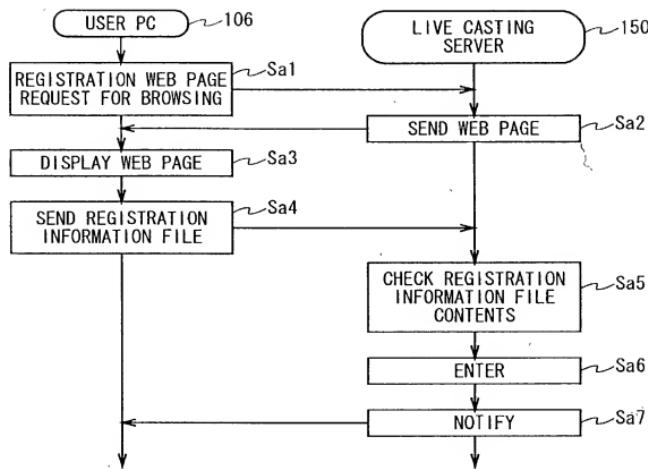


FIG. 19

MEMBER REGISTRATION INPUT SCREEN 210

INPUT ITEM	INPUT COLUMN
NAME (KANJI) (ALPHABET)	△○ 太郎
DESIRED USER ID	○○ TAROU
PASSWORD	○○○○
E-MAIL ADDRESS	× × × ×
OPEN MAIL ADDRESS?	△△△@○○.COM YES

IF YOU WANT TO REGISTER AS A PREMIUM MEMBER, CHECK THE CHECKBOX AND ENTER THE FOLLOWING ITEMS.

PREMIUM MEMBER REGISTRATION 211

INPUT ITEM	INPUT COLUMN
ADDRESS	○○CITY○○3-5-5
TELEPHONE NUMBER	03-1234-5670
CREDIT CARD NUMBER	1234-5678-9102
CREDIT CARD EXPIRATION DATE	MAY 2003
CELLULAR PHONE NUMBER	090-1000-2000
FACSIMILE NUMBER	03-1234-5671

CANCEL

212

ENTER

213

FIG. 20

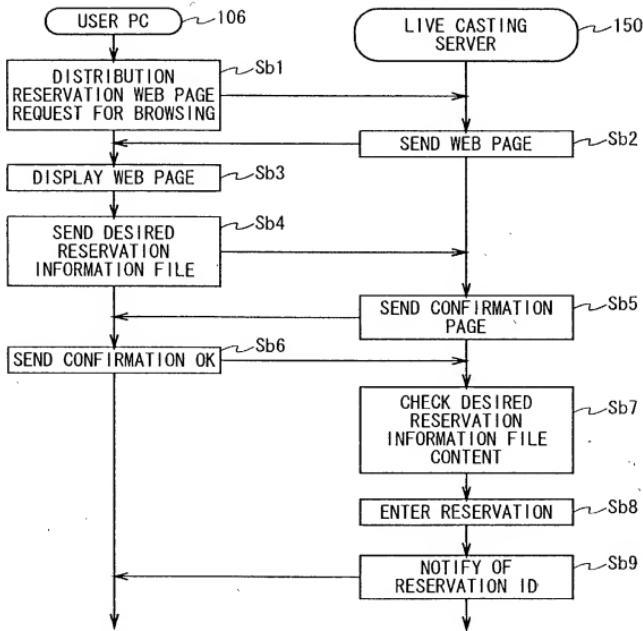


FIG. 21

JULY						
S	M	T	W	T	F	S
2	3	4	5	6	7	8
9	10	11	12	13	14	15
16	17	18	19	20	21	22
23	24	25	26	27	28	29
30	31					

220

221

ch NO.	CAPA- CITY	TRANSMIT BAND	SERVICE FEE	6:00		12:00		18:00		24:00	
				RESERVED	FREE	RESERVED	FREE	RESERVED	FREE	RESERVED	FREE
1	5	28.8	¥1000								
2	10	28.8	¥2000			FREE				RESERVED	
3	15	64	¥3000	FREE		RESERVED				FREE	RESERV
4	50	64	¥10000		FREE	RE		FREE		RESERV	
5	100	64	¥15000			RESERVED					FREE
6	150	64	¥20000	FREE	RESERV	FREE		RESERVED			
7	100	64	¥50000	FREE		RESERVED					FREE

222 {

- CHANNEL: CHANNEL 1 (CAPACITY: 5)
- RESERVATION DATE/TIME: JULY 5, 15:00 - 17:00
- OPEN LEVEL: PUBLIC PASSWORD () SECRET ()
- TITLE: XXXX LIVE
- GENRE: MUSIC
- OPEN OF E-MAIL: YES, NO
- OPEN OF WEB: YES (URL:), NO
- PASSWORD: **PASSWORD**
- FRIEND LIST
 - EMAIL ADDRESS() () () ()
- OUTLINE: 20 CHARACTERS
- DETAIL: 200 CHARACTERS

223

224

RESERVE	CANCEL
---------	--------

FIG. 22

-USER ID: OOOO
-CHANNEL: CHANNEL 8 (CAPACITY: 5)
-RESERVATION DATE/TIME: JULY 5, 15:00 - 17:00
-OPEN LEVEL: PUBLIC PASSWORD (XXXXX) SECRET (XXXXX)
-TITLE: XXX LIVE
-GENRE: MUSIC
-E-MAIL DISCLOSURE: YES, NO
-WEB DISCLOSURE: YES (URL:), NO
-PASSWORD: ** PASSWORD **
-FRIEND LIST
EMAIL ADDRESS (OO@XX. COM) (△△@XX. CO. JP) (XX@OO. COM)
-OUTLINE: UP TO 20 CHARACTERS
-DETAIL: UP TO 200 CHARACTERS

SERVICE FEE: ¥XXXXX

IN ADDITION TO THIS SERVICE FEE, THE CARRIER WILL CHARGE YOU FOR THE TELEPHONE SERVICE TO THE ACCESS PORT SEPARATELY.

△△△@XXOOO. COM

MAKE SURE THE MAIL ADDRESS ABOVE IS CORRECT.
YOUR RESERVATION ID WILL BE SENT TO THE MAIL ADDRESS ABOVE.
ONCE YOU ACQUIRE THE RESERVATION ID, RECONFIRM THE RESERVATION WITH "MY CHANNEL" BY 6 HOURS BEFORE THE PROGRAM STARTS.
THE RESERVATION WITHOUT RECONFIRMATION WILL BE CANCELED.

240
241
[AGREE] [CANCEL]

FIG. 23

THANK YOU FOR THE RESERVATION.

CHECK THE MAIL AND RECONFIRM THE RESERVATION ON THE
"MY CHANNEL" PAGE USING THE CORRESPONDING PC.

245

OK

FIG. 24

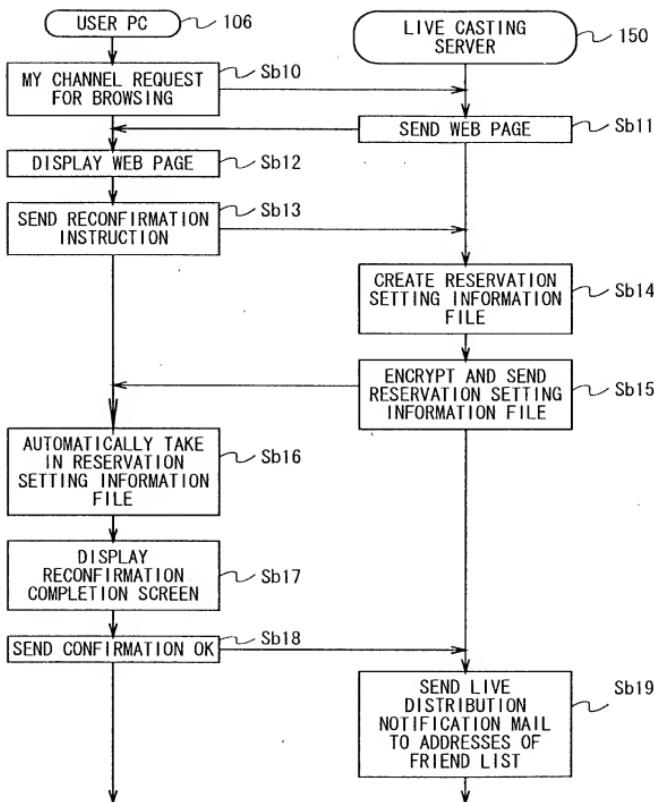


FIG. 25

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MY CHANNEL

-250

RESERVATION LIST

RESERVATION LIST RESERVATION DATE/TIME, CHANNEL, TITLE,
WAITING FOR RECONFIRMATION, CANCEL

TO CHANGE THE DATE/TIME OR CHANNEL, CANCEL THE RESERVATION
AND MAKE A NEW RESERVATION.

- 251

NUMBER OF AUDIENCES

YOU CAN VIEW THE NUMBER OF AUDIENCE DATA OF LIVE PROGRAMS DISTRIBUTED SO FAR.

CHANGE REGISTRATION INFORMATION FILE

-252-

YOU CAN CHANGE USER INFORMATION HERE.

OK

FIG. 26

•USER ID: OOOO
•CHANNEL: CHANNEL 1 (CAPACITY: 5)
•RESERVATION DATE/TIME: JULY 5, 15:00 - 17:00
•OPEN LEVEL: PUBLIC PASSWORD (XXXXX) SECRET (XXXXX)
•TITLE: XXXX LIVE
•GENRE: MUSIC
•OPEN OF E-MAIL: YES, NO
•OPEN OF WEB: YES (URL:), NO
•PASSWORD: ** PASSWORD **
•FRIEND LIST
 EMAIL ADDRESS (OO@XX. COM) (ΔΔ@XX. CO. JP) (XX@OO. COM)
•OUTLINE: UP TO 20 CHARACTERS
•DETAIL: UP TO 200 CHARACTERS

RESERVATION ID:

INPUT THE RESERVATION ID INCLUDED IN THE MAIL.
TO CHANGE THE DATE/TIME OR CHANNEL, CANCEL THIS RESERVATION
AND MAKE A NEW RESERVATION.

PRESSING THE RECONFIRM BUTTON WILL AUTOMATICALLY REGISTER
THE PC CONNECTION SETTING. BE SURE TO RECONFIRM THE
RESERVATION WITH THE CORRESPONDING PC.

261

262

RECONFIRM

RETURN

FIG. 27

10/089085

OBLON ET AL (703) 413-3000

DOCKET #22070905 SHEET 28 OF 43

USER ID:0000

LIVE DISTRIBUTION RESERVATION DATE/TIME: 2000:07:05:15:00:00-

2000:07:05:17:00:00

SERVER ACCESSIBLE TIME: 2000:07:05:14:55:00-2000:07:05:17:05:00

ACCESS TELEPHONE NUMBER

CARRIER 01:03-1234-5670

CARRIER 02:03-1234-5671

CARRIER 03:03-1234-5672

CARRIER 04:03-1234-5673

ACCESS SERVER INFORMATION

TYPE OF SERVER: REALSERVER5

SERVER NAME: LIVESERVER.COM

CONNECTION PORT: 555

STREAM PATH TO SERVER: /CHANNEL/STREAM.RM

ADDRESS INFORMATION FOR DISTRIBUTION REQUEST:

rtsp://liveserver.com:554/channel1/stream.rm

TRANSMISSION BAND: 28.8KBPS

TITLE: XXXX LIVE

OUTLINE:-----

OPEN LEVEL:-----

FRIEND LIST ADDRESS INFORMATION

LIST 01: 00@XX.COM

LIST 02: △△@XX.CO.JP

LIST 03: XX@00.COM

PASSWORD FOR DISTRIBUTION REQUEST: XXXX

FIG. 28

16:16 (FOR SERVICE SUPPLY)
16:09 (YOUR PC)

THE RESERVATION HAS BEEN ACCEPTED.
AS SHOWN ABOVE, THERE IS A TIME DIFFERENCE BETWEEN THE SERVICE
SUPPLY TIME AND YOUR PC TIME.
NOTE THAT THE RESERVED DISTRIBUTION WILL BE PERFORMED AT THE
SERVICE SUPPLY TIME.
YOU CAN ACCESS THE SITE FROM 5 MINUTES BEFORE THE RESERVED TIME.

IF YOU USE A DIALUP ROUTER, REGISTER THE FOLLOWING AS THE DIAL
ADDRESS. IN THIS CASE, ONLY CONNECTION VIA ISDN IS AVAILABLE.

ISDN ACCESS PORT NUMBER: 03-1234-5679
LOG IN ID: RESERVATION ID
PASSWORD: XXXXXX

291

OK

FIG. 29

SENDER: PERSONAL CASTING SERVICE
DATE/TIME: JULY 3, 2000, 17:15
ADDRESS: ΔΔ@XX.CO.JP
SUBJECT: NOTICE OF LIVE DISTRIBUTION
ATTACHMENT:

LIVE DISTRIBUTION BY 000 (USER NAME) WILL BE CARRIED OUT AS FOLLOWS.

DISTRIBUTION DATE/TIME: JULY 5 15:00 TO 17:00
TITLE: XXXX LIVE
ADDRESS FOR DISTRIBUTION REQUEST: rtsp://liveserver.com:554/channel1/stream.rm
PASSWORD: XXXXX

FIG. 30

MY CHANNEL

RESERVATION LIST 250
RESERVATION DATE/TIME, CHANNEL, TITLE, RECONFIRMED, CHANGE, CANCEL

310

311

TO CHANGE THE DATE/TIME OR CHANNEL, CANCEL THE RESERVATION AND
MAKE A NEW RESERVATION.

NUMBER OF AUDIENCES 251
YOU CAN VIEW THE NUMBER OF AUDIENCE DATA OF LIVE PROGRAMS
DISTRIBUTED SO FAR.

CHANGE REGISTRATION INFORMATION FILE 252
YOU CAN CHANGE USER INFORMATION HERE.

OK

FIG. 31

•USER ID: OOOO
•CHANNEL: CHANNEL 1 (CAPACITY: 5)
•RESERVATION DATE/TIME: JULY 5, 15:00 - 17:00
•OPEN LEVEL: PUBLIC PASSWORD (XXXX) SECRET (XXXX)
•TITLE: XXXX LIVE
•GENRE: MUSIC
•OPEN OF E-MAIL: YES, NO
•OPEN OF WEB: YES (URL:), NO
•PASSWORD: ** PASSWORD **
•FRIEND LIST
EMAIL ADDRESS (OO@XX. COM) (ΔΔ@XX. CO. JP) (XX@OO. COM)
•OUTLINE: UP TO 20 CHARACTERS
•DETAIL: UP TO 200 CHARACTERS

RESERVATION ID:

INPUT THE RESERVATION ID INCLUDED IN THE MAIL.
TO CHANGE THE DATE/TIME OR CHANNEL, CANCEL THIS RESERVATION
AND MAKE A NEW RESERVATION.

321 322
↓ ↓
[UPDATE] [RETURN]

FIG. 32

17:08 (FOR SERVICE SUPPLY)
17:11 (YOUR PC)

THE CHANGE HAS BEEN ACCEPTED.
AS SHOWN ABOVE, THERE IS A TIME DIFFERENCE BETWEEN THE SERVICE
SUPPLY TIME AND YOUR PC TIME.
NOTE THAT THE RESERVED DISTRIBUTION WILL BE PERFORMED AT THE
SERVICE SUPPLY TIME.
YOU CAN ACCESS THE SITE FROM 5 MINUTES BEFORE THE RESERVED TIME.

IF YOU USE A DIALUP ROUTER, REGISTER THE FOLLOWING AS THE DIAL
ADDRESS. IN THIS CASE, ONLY CONNECTION VIA ISDN IS AVAILABLE.

ISDN ACCESS PORT NUMBER:
LOG IN ID: RESERVATION ID
PASSWORD: XXXXXX

331
OK

FIG. 33

•USER ID:0000
•CHANNEL: CHANNEL 1 (CAPACITY: 5)
•RESERVATION DATE/TIME: JULY 5, 15:00 - 17:00
•OPEN LEVEL: PUBLIC PASSWORD (XXXXX) SECRET (XXXXX)
•TITLE: XXXX LIVE
•GENRE: MUSIC
•OPEN OF E-MAIL: YES, NO
•OPEN OF WEB: YES (URL:), NO
•PASSWORD: ** PASSWORD **
•FRIEND LIST
 EMAIL ADDRESS (00@XX. COM) (ΔΔ@XX. CO. JP) (XX@00. COM)
•OUTLINE: UP TO 20 CHARACTERS
•DETAIL: UP TO 200 CHARACTERS

THIS RESERVATION WILL BE CANCELED

341

342

**CANCEL
RESERVATION**

RETURN

FIG. 34

THE RESERVATION HAS BEEN CANCELED.

343

OK

FIG. 35

•USER ID: OOOO
•CHANNEL: CHANNEL 1 (CAPACITY: 5)
•RESERVATION DATE/TIME: JULY 5, 15:00 - 17:00
•OPEN LEVEL: PUBLIC PASSWORD (XXXXXX) SECRET (XXXXXX)
•TITLE: XXXX LIVE
•GENRE: MUSIC
•OPEN OF E-MAIL: YES, NO
•OPEN OF DISCLOSURE: YES (URL:), NO
•PASSWORD: ** PASSWORD **
•FRIEND LIST
 EMAIL ADDRESS (OO@XX.COM) (ΔΔ@XX.CO.JP) (XX@OO.COM)
•OUTLINE: UP TO 20 CHARACTERS
•DETAIL: UP TO 200 CHARACTERS

RESERVATION ID:

IF YOU USE A DIALUP ROUTER, REGISTER THE FOLLOWING AS THE DIAL ADDRESS. IN THIS CASE, ONLY CONNECTION VIA ISDN IS AVAILABLE.

ISDN ACCESS PORT NUMBER:
LOG IN ID: RESERVATION ID
PASSWORD: XXXXXX

361

362

[REENTER PC CONNECTION SETTING] [RETURN]

FIG. 36

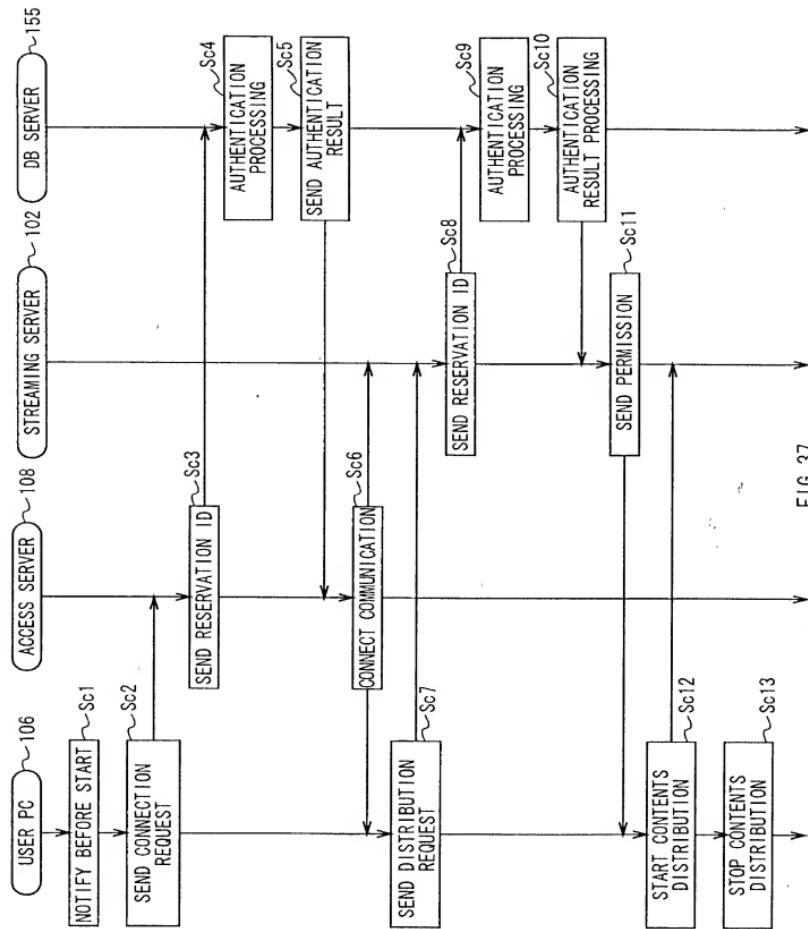


FIG. 37

CURRENT TIME 15:08 (FOR SERVICE SUPPLY)

390

GENRE: ROCK MUSIC
LIVE TITLE: 00
PROVIDER (MAIL A)
HOMEPAGE: http://
CAPACITY: 50 PEG
LOSED OR OPEN

OUTLINE

.....

DETAILS

.....

ENTER PASSWORD:

REPLAY

NOTE: REPLAYING THE MUSIC REQUIRES REPLAY
SOFTWARE.

REPLAY SOFTWARE

CLICK TO DOWNLOAD

FIG. 38

200

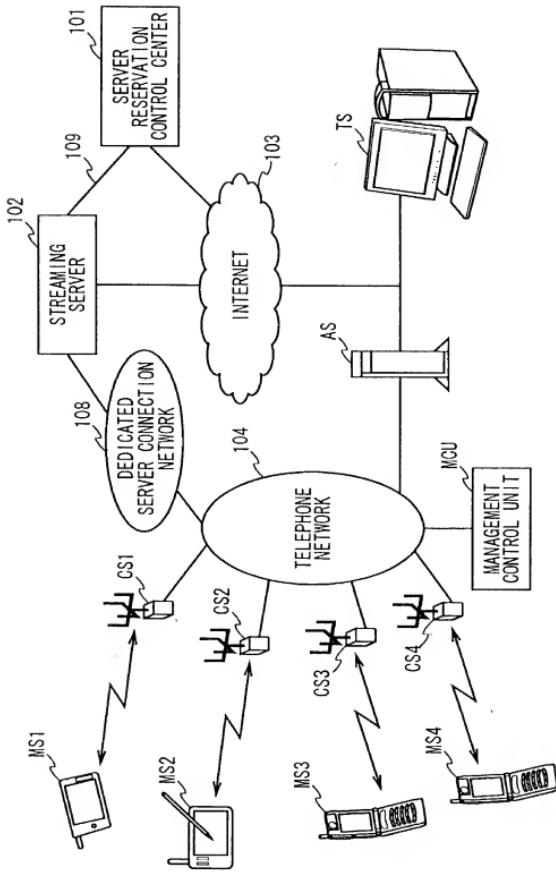


FIG. 39

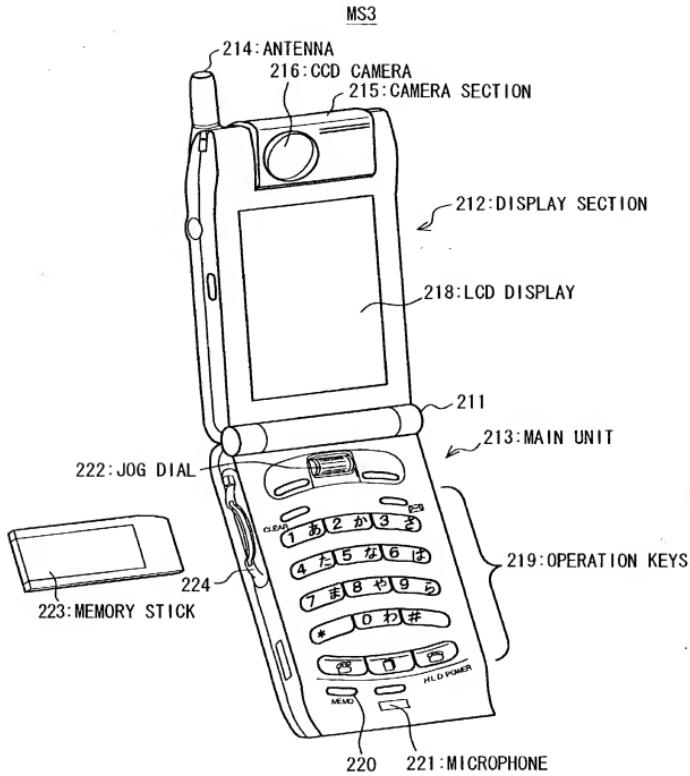


FIG. 40

VRIJON ET AL. (703) 413-3000

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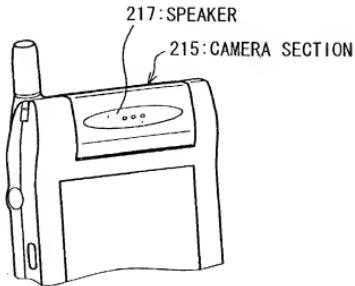


FIG. 41

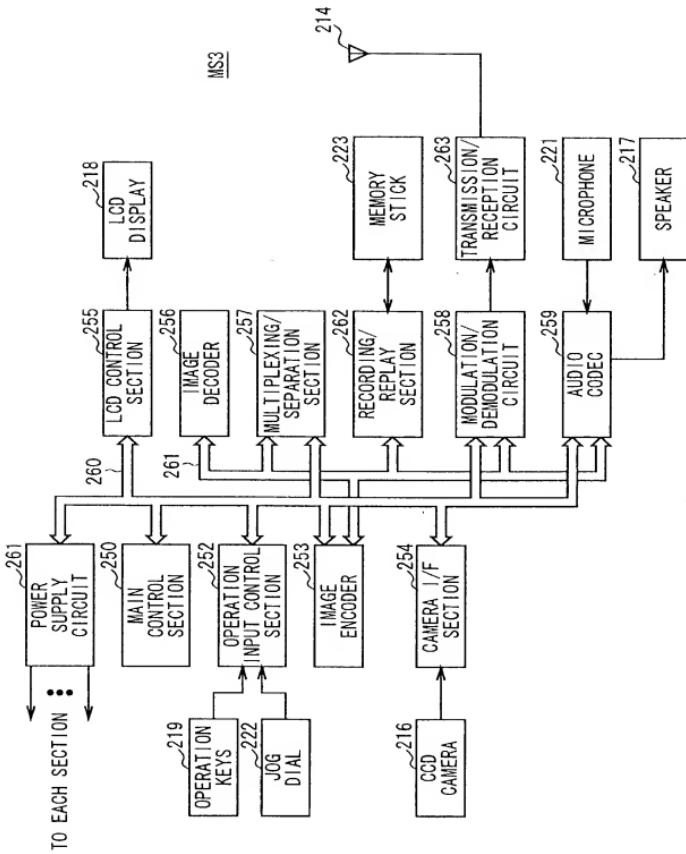


FIG. 42

Explanation of Reference Numerals

100...content supply system, 101...server reservation control apparatus, 102...streaming server, 103...internet, 104...telephone network, 106...user PC, 107...client PC, 108...dedicated server connection network, 150...live casting server, 151...reservation database, 152...user database, 153...NTP server, 154...network interface, 155...database server, 200...network system, MS3, MS4...camera-integrated digital cellular phone